



REPLACEMENT SHEET

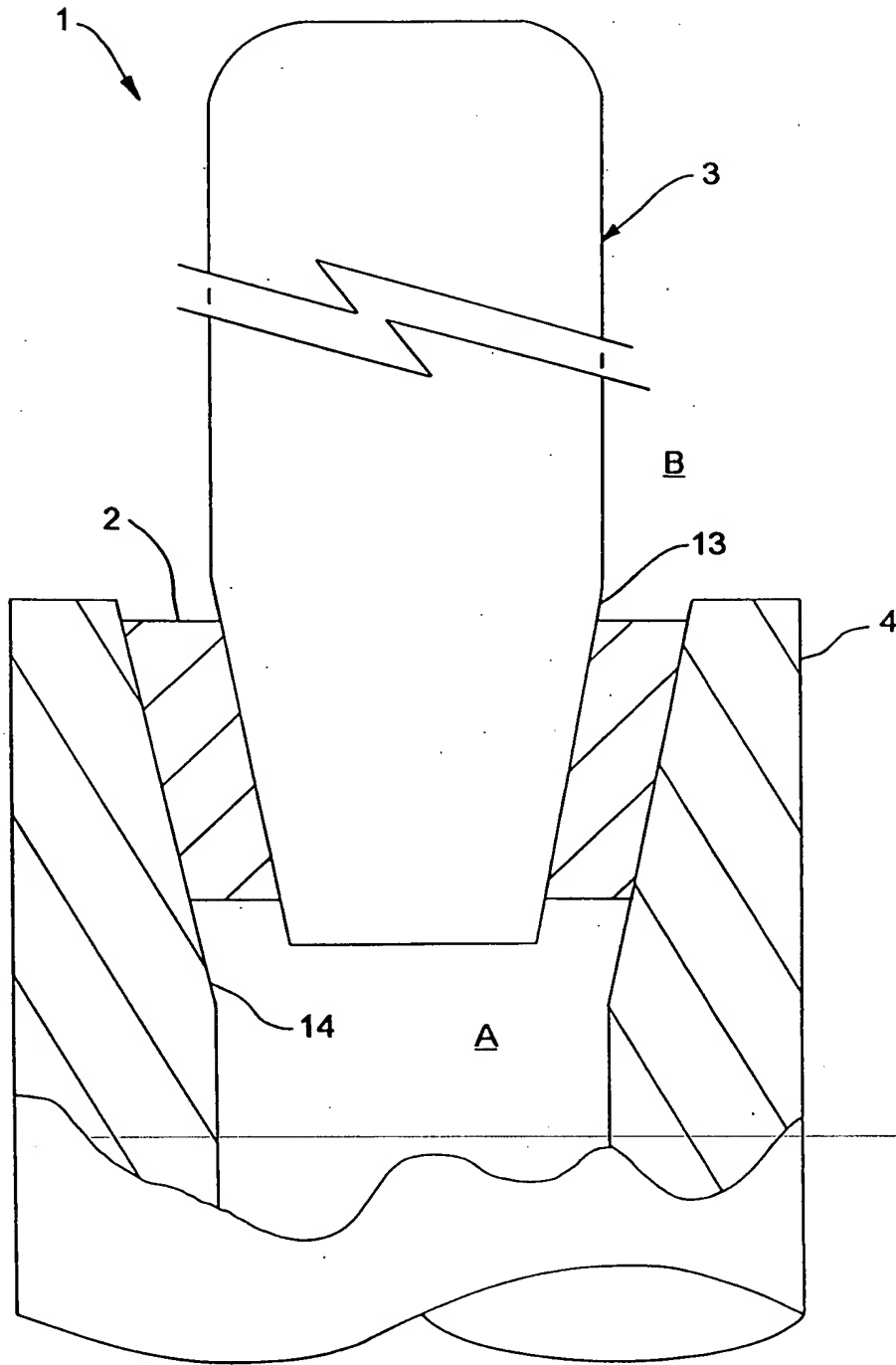


FIG. 1

REPLACEMENT SHEET

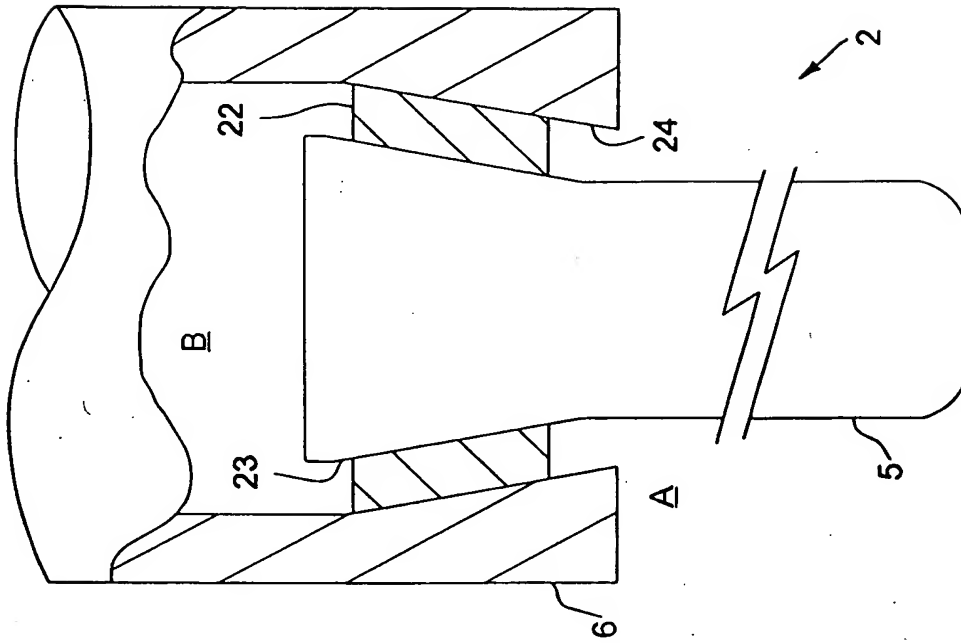


FIG. 1b

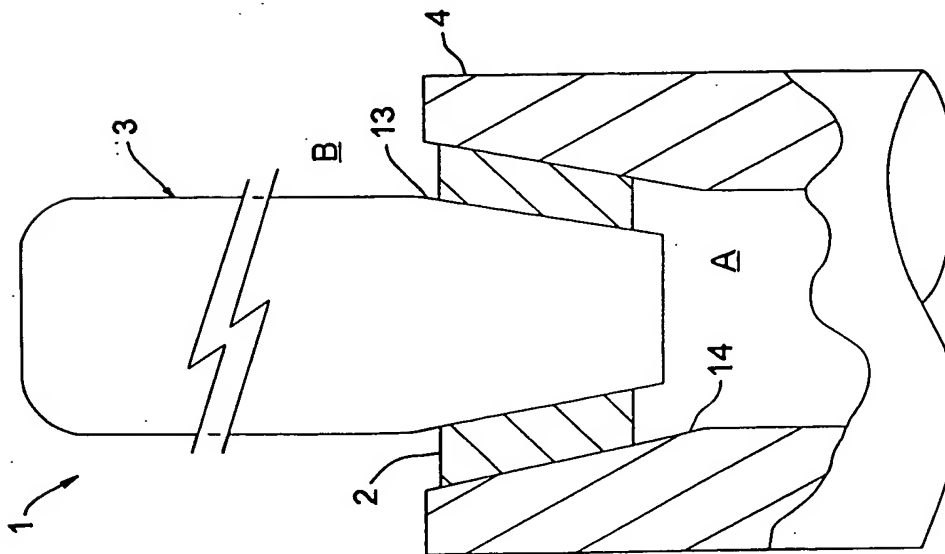


FIG. 1a

REPLACEMENT SHEET

## Demonstration of Stable Seal in Many Thermal Cycles

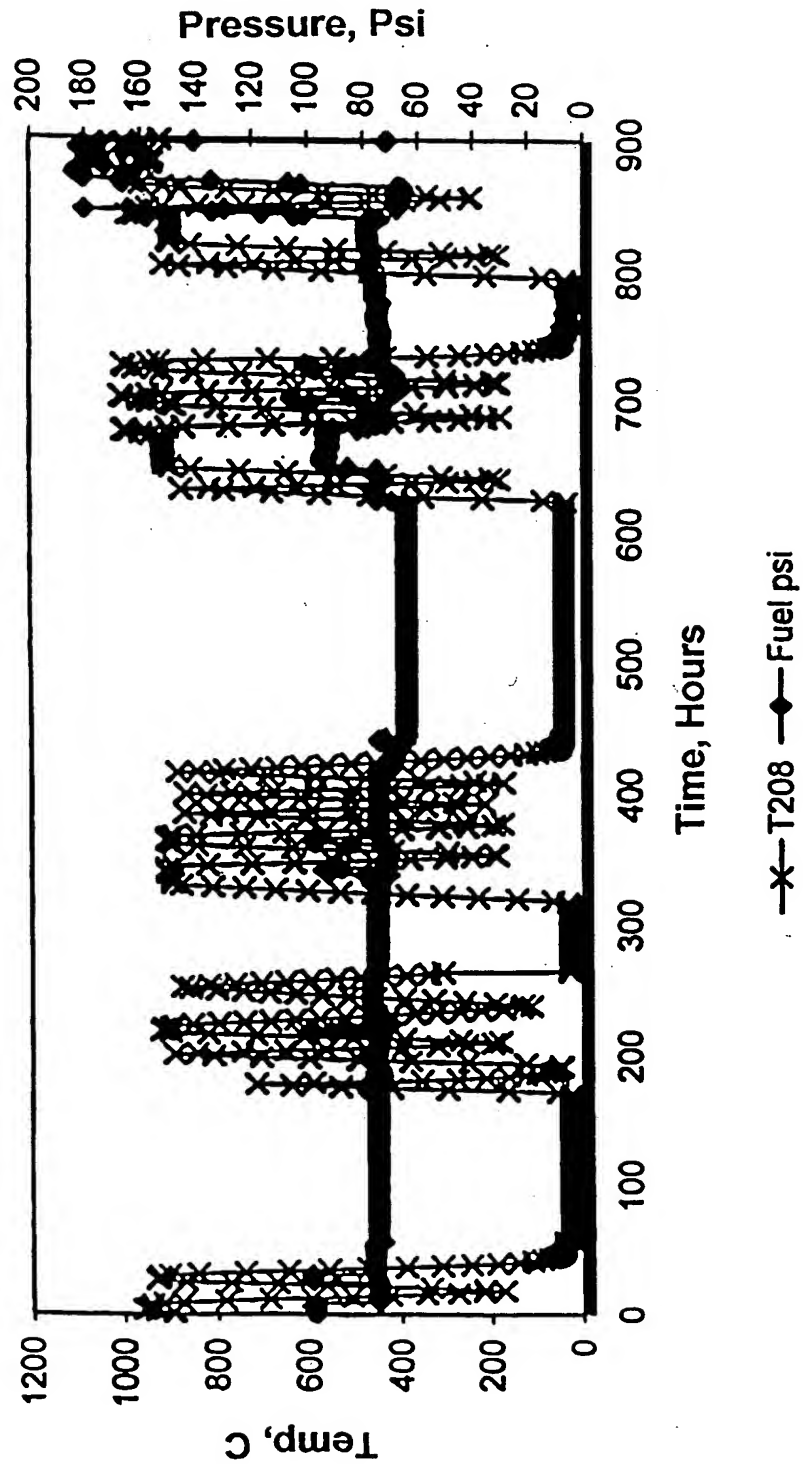
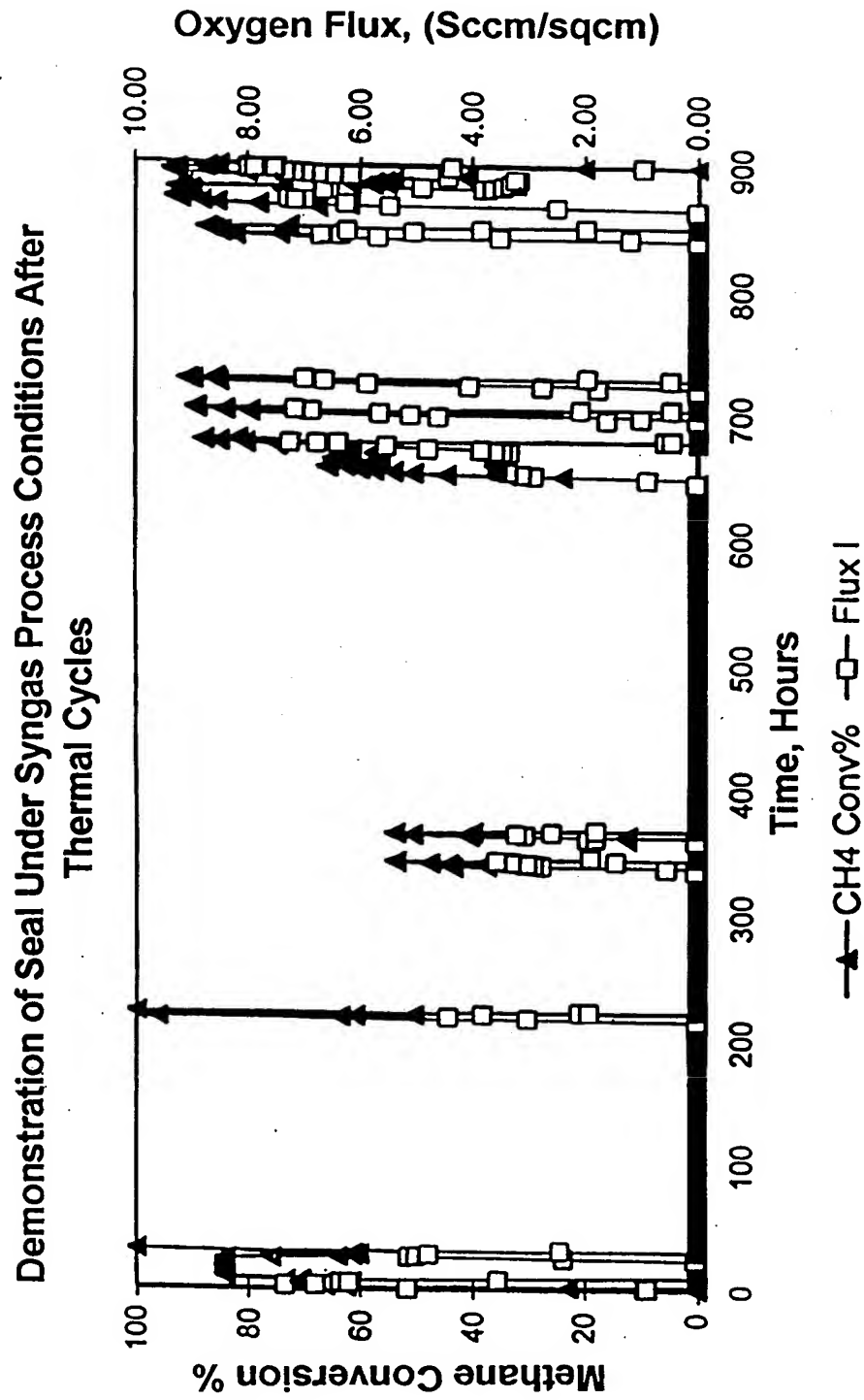


FIG. 2

## REPLACEMENT SHEET

**FIG. 3**

## REPLACEMENT SHEET

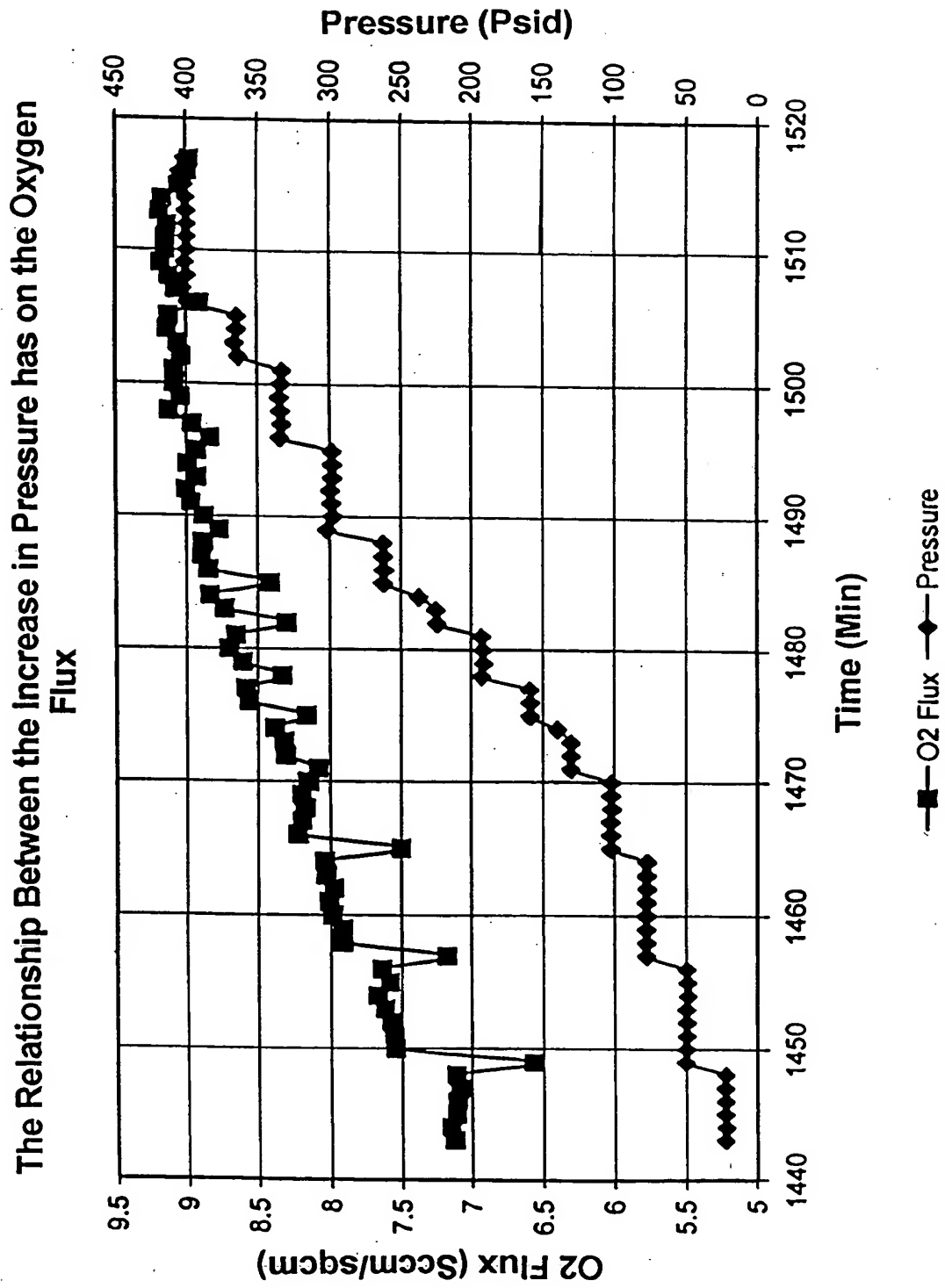


FIG. 4

## REPLACEMENT SHEET

La<sub>0.2</sub>Sr<sub>0.8</sub>Cr<sub>0.2</sub>O<sub>3-x</sub> Tube w/1mm Wall, He Sweep @ 2L/m, Air @ 4L/m, 975C

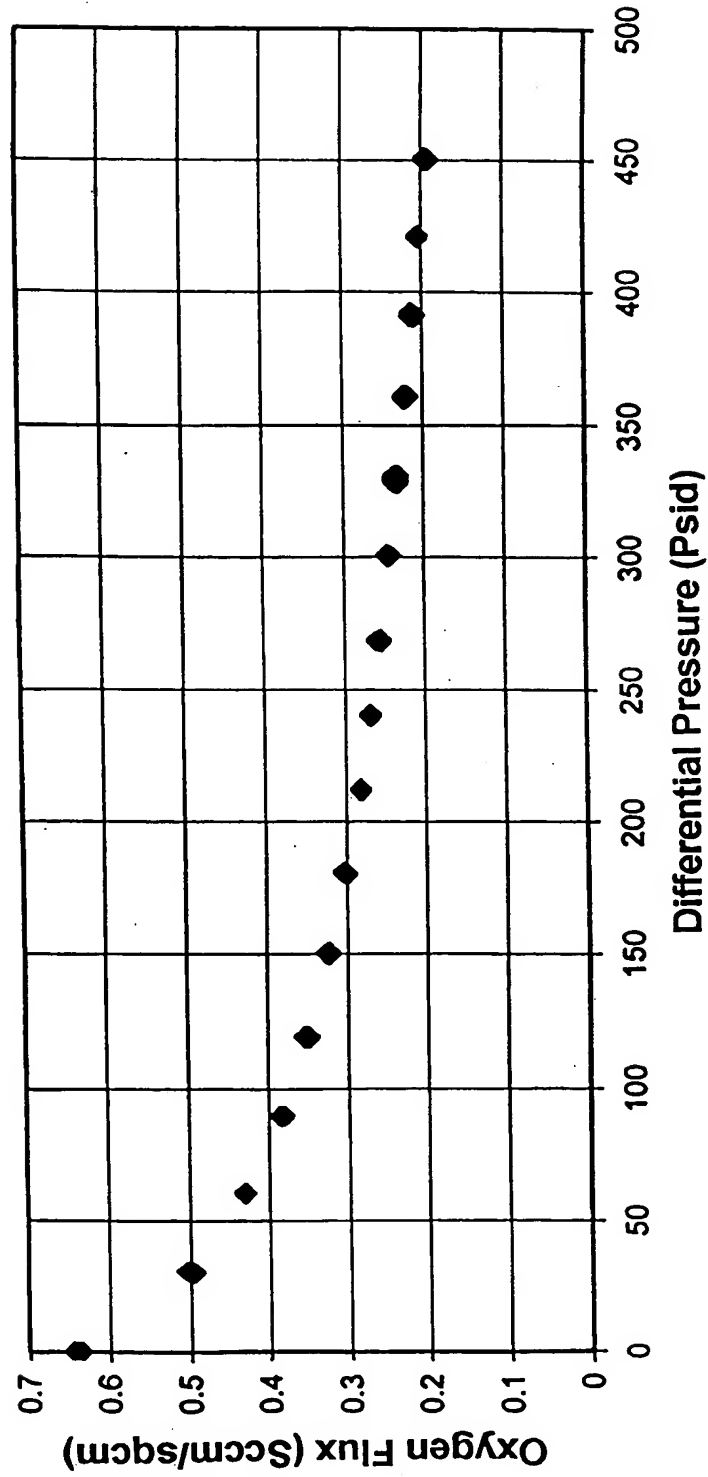
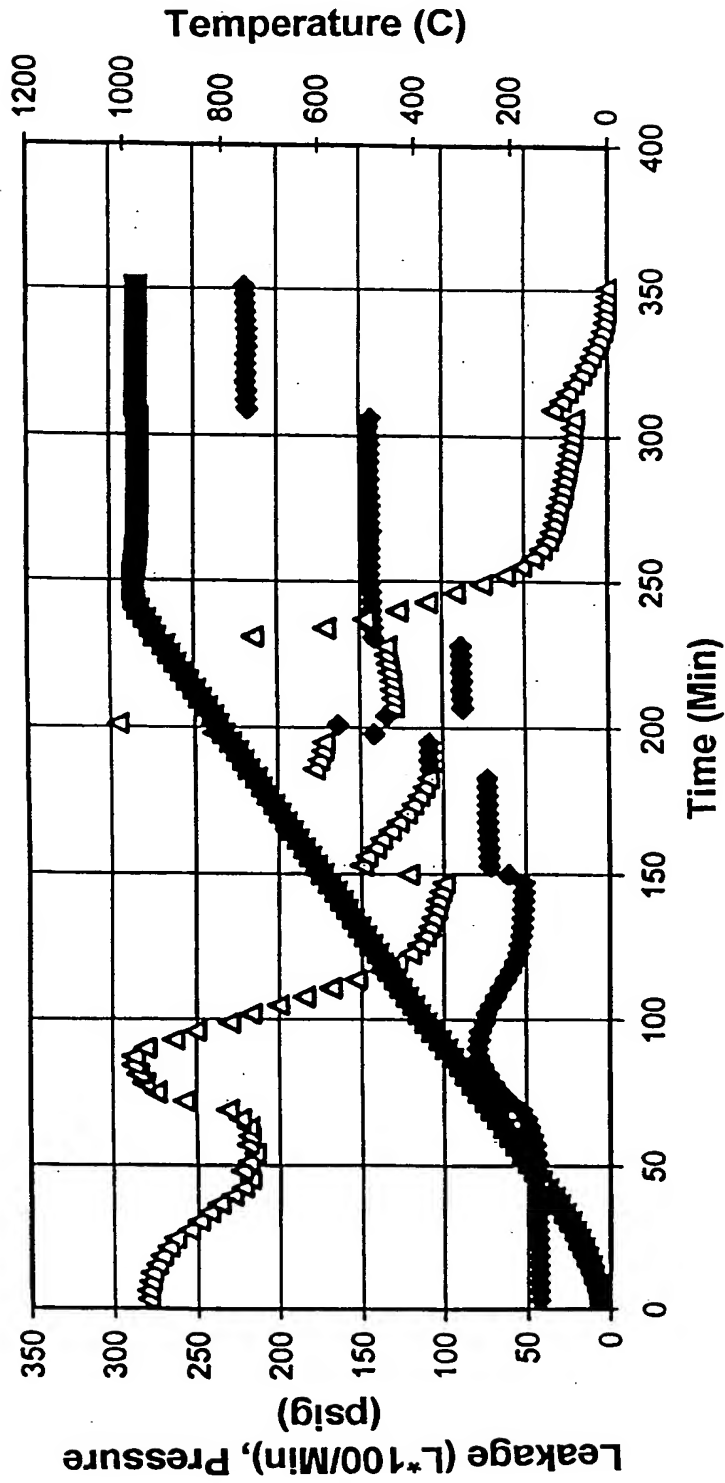


FIG. 5

## REPLACEMENT SHEET

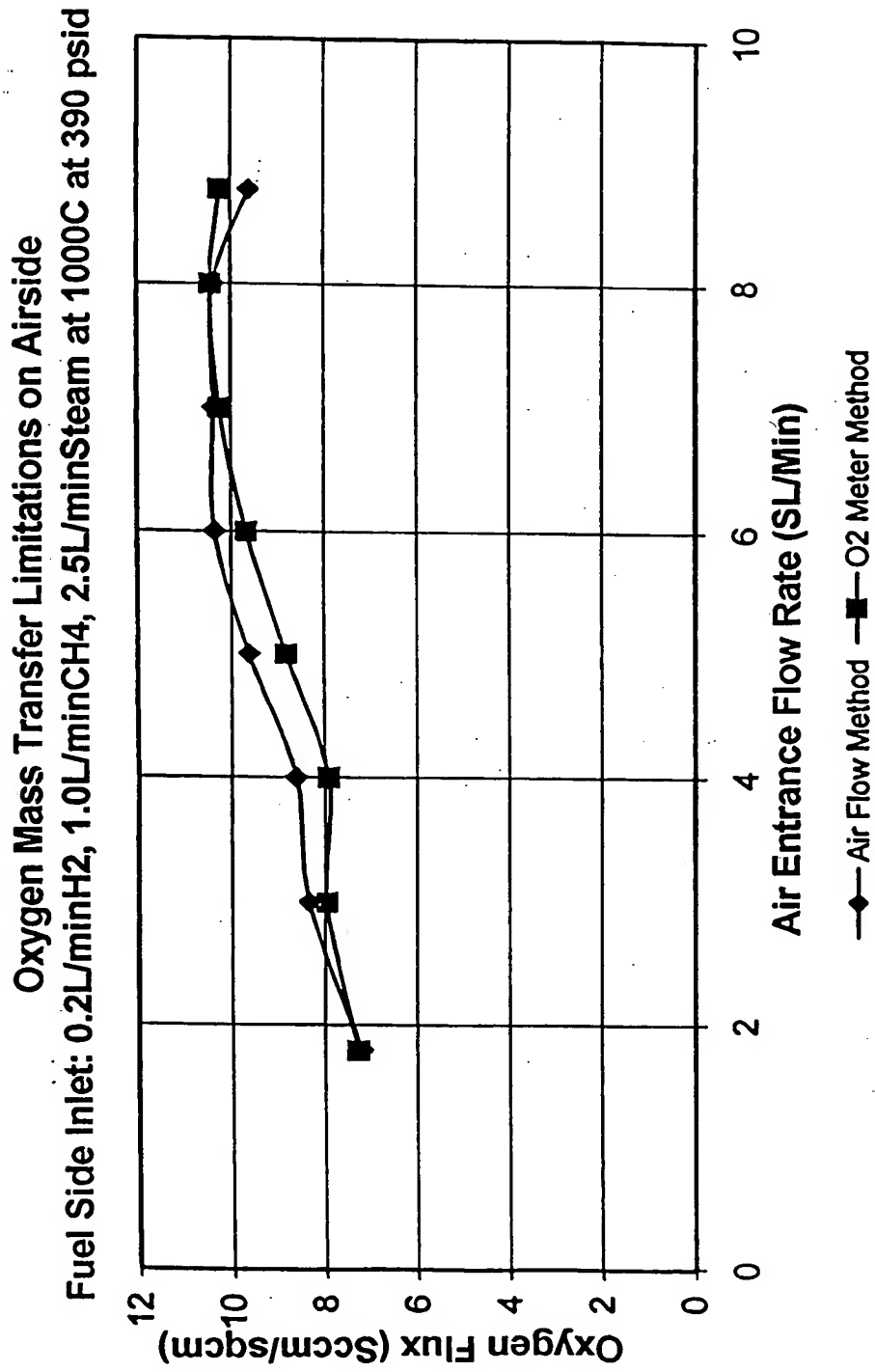
UnPolished Ceramic Seal Face Sealing Curve



◆ Pressure    Δ Leak    ■ Temperature

FIG. 6

## REPLACEMENT SHEET

**FIG. 7**



## REPLACEMENT SHEET

Oxygen Utilization in Exit Air Stream at Ambient Pressure  
Fuel Stream Inlet: 0.2L/minH<sub>2</sub>, 1.0L/minCH<sub>4</sub>, 2.5L/minSteam at 1000C at 390 psid

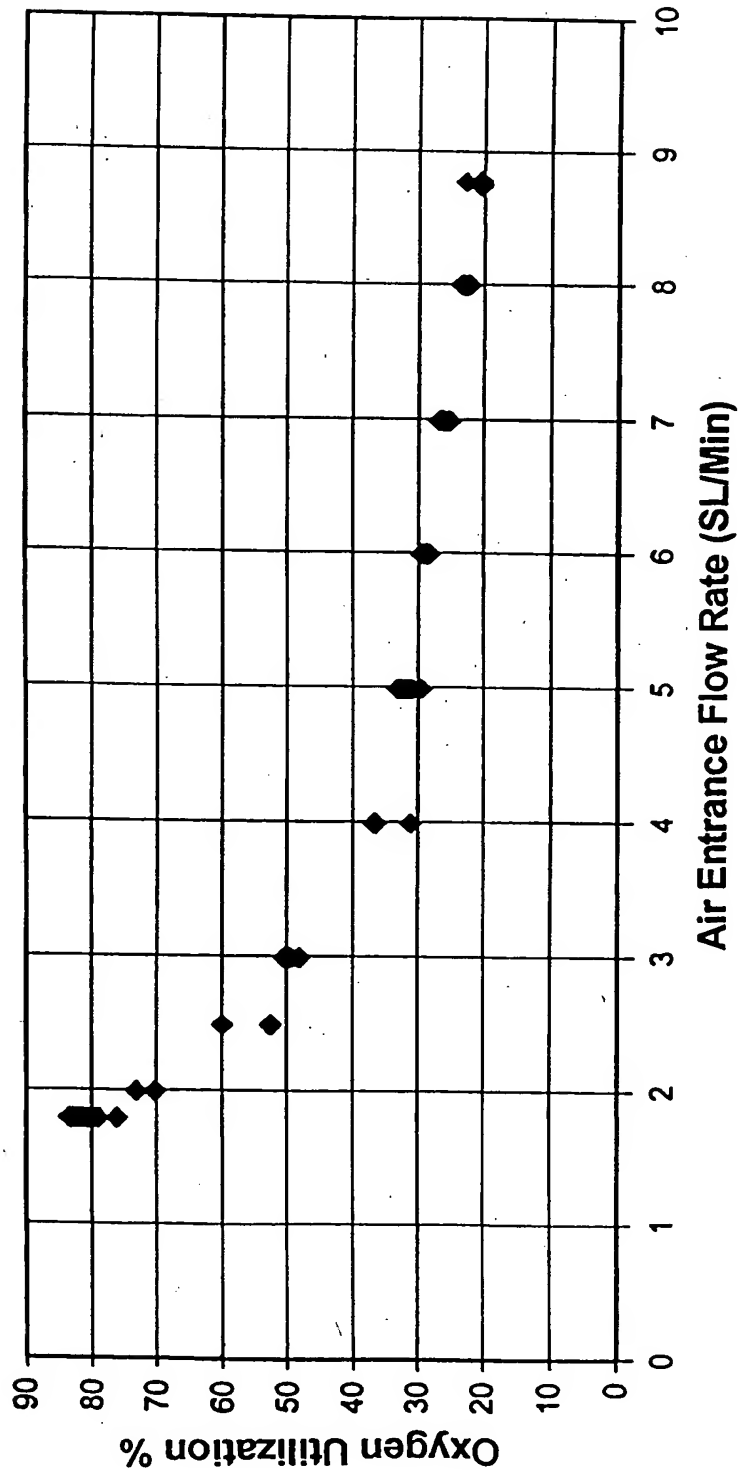


FIG. 8